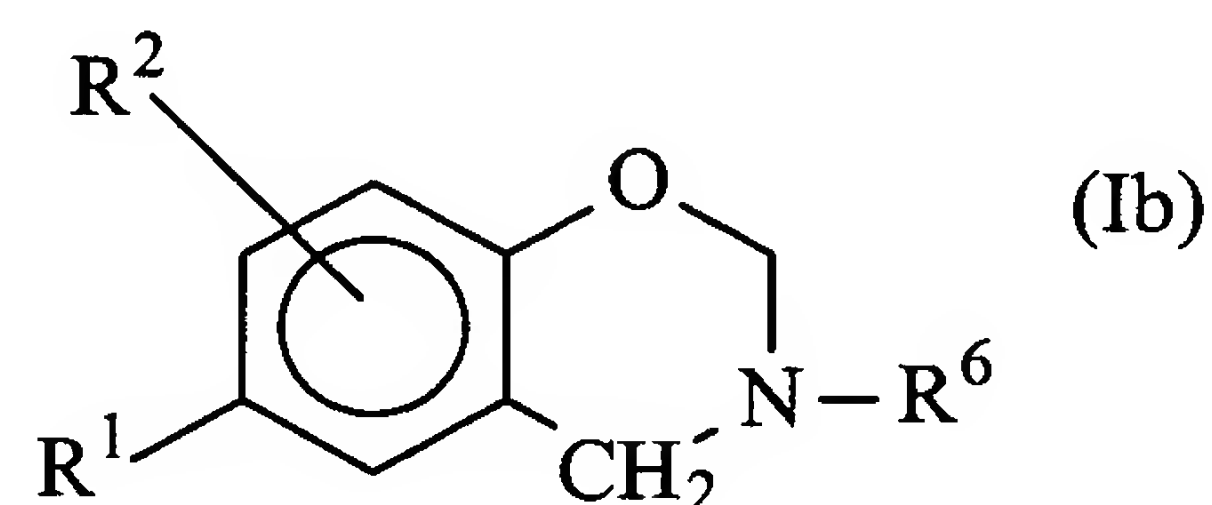
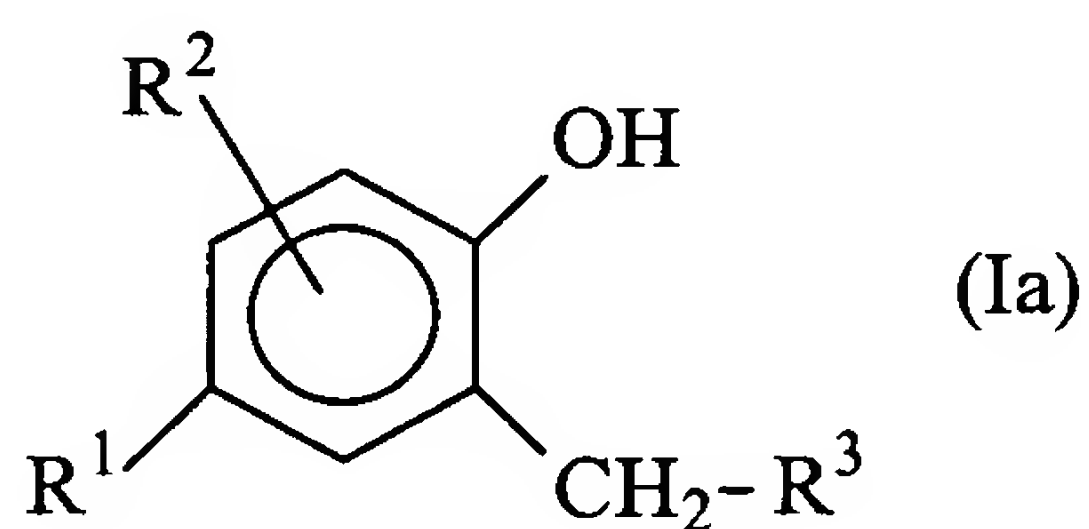


2. (Amended) The process as claimed in claim 1, wherein the amine is 3-(dimethylamino)-n-propylamine, di[3-(dimethylamino)-n-propyl]amine, dimethylamine, diethylamine or morpholine.

3. (Amended) The process as claimed in claim 1, wherein an adduct mixture is obtained which comprises at least 40 mol% of compounds of the formula Ia and/or Ib,

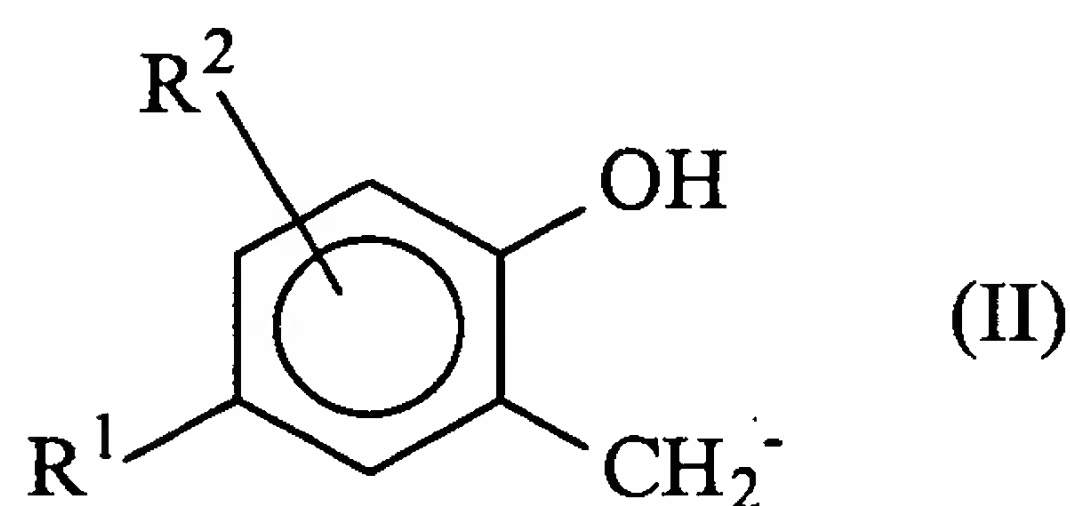


where

$R^1$  is a terminally bonded polyisobutenyl radical,

$R^2$  is H,  $C_1$ - to  $C_{20}$ -alkyl,  $C_1$ - to  $C_{20}$ -alkoxy, hydroxyl, a polyalkylenyl radical or  $CH_2NR^4R^5$ , where  $R^4$  and  $R^5$  have the meanings stated below, and

$R^3$  is  $NR^4R^5$ , where  $R^4$  and  $R^5$ , independently of one another, are selected from the group consisting of H,  $C_1$ - to  $C_{20}$ -alkyl,  $C_3$ - to  $C_8$ -cycloalkyl and  $C_1$ - to  $C_{20}$ -alkoxy radicals which may be interrupted and/or substituted by N and O heteroatoms, and phenol radicals of the formula II



where  $R^1$  and  $R^2$  are as defined above;

with the proviso that  $R^4$  and  $R^5$  are not simultaneously H or phenol radicals of the formula II; or  $R^4$  and  $R^5$ , together with the N atom to which they are bonded, form a 5-, 6- or 7-membered cyclic structure which has one or two heteroatoms selected from N and O and may be substituted by one, two or three  $C_1$ - to  $C_6$ -alkyl radicals; and  $R^6$  is a radical  $R^4$  or  $R^5$  other than H.

4. (Amended) The process as claimed in claim 1, wherein an adduct having a polydispersity of from 1.1 to 3.5 is obtained.

5. (Amended) The process as claimed in claim 1, wherein  $R^1$  has a number average molecular weight of from 300 to 850.

6. (Amended) The process as claimed in claim 1, wherein the reaction mixture from b) is fractionated by column chromatography over an acidic stationary phase by multistage elution with

- at least one hydrocarbon and then
- at least one basic alcohol/water mixture.

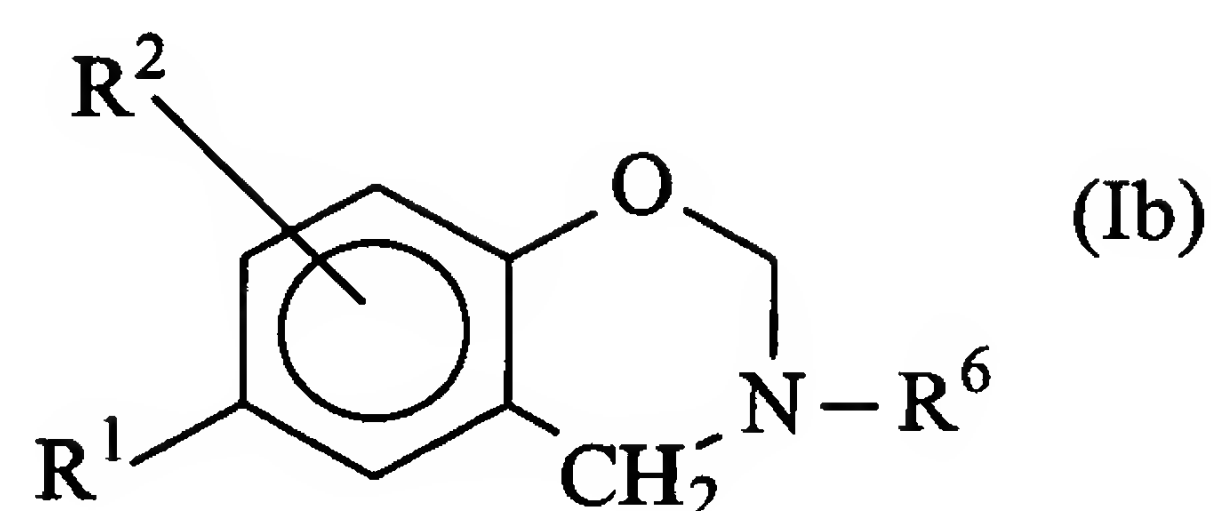
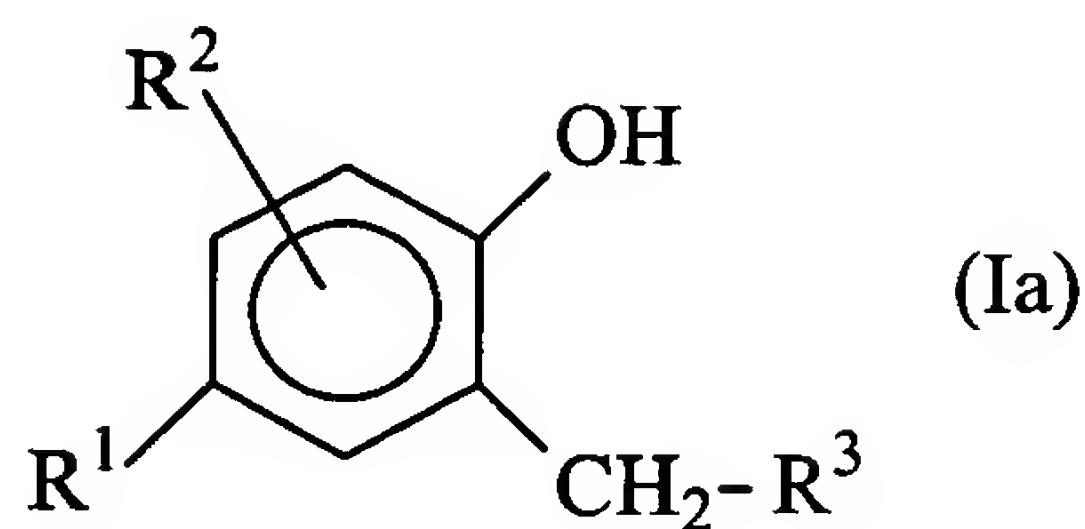
7. (Amended) The process as claimed in claim 6, wherein the basic alcohol/water mixture is a mixture of

- a) from 75 to 99.5% by weight of at least one  $C_2$ - to  $C_4$ -alcohol,
- b) from 0.4 to 24.4% by weight of water, and
- c) from 0.1 to 15% by weight of at least one amine which is volatile at room temperature.

8. (Amended) The process as claimed in claim 1, wherein the adduct mixture obtained includes from 0 to 20 mol% of polyisobutenylphenols from reaction step a) which have not been further reacted.

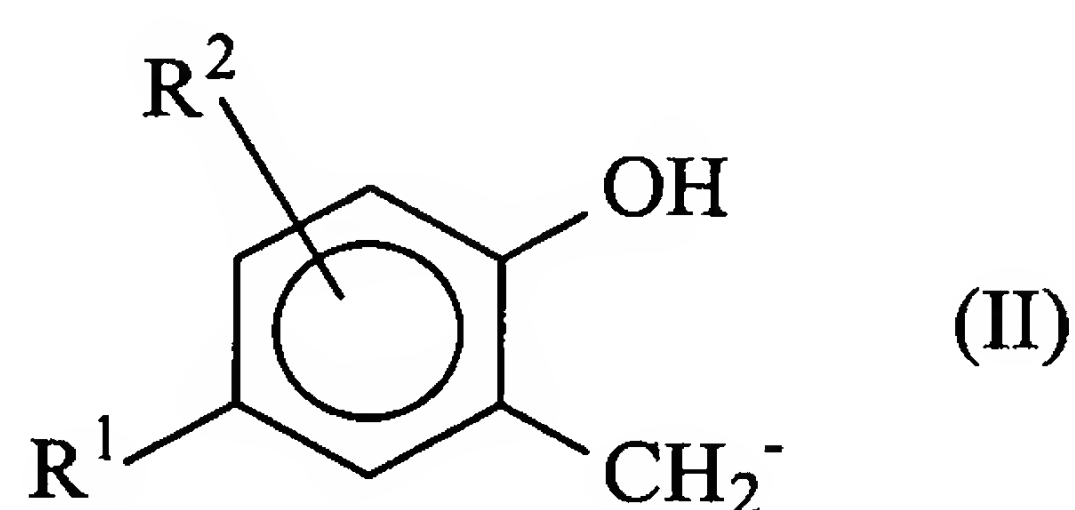
9. (Amended) A Mannich adduct obtained by the process as claimed in claim 1.

10. (Amended) A Mannich adduct comprising at least one compound of the formula Ia and/or Ib,



where

- $R^1$  is a terminally bonded polyisobutenyl radical,
- $R^2$  is H,  $C_1$ - to  $C_{20}$ -alkyl,  $C_1$ - to  $C_{20}$ -alkoxy, hydroxyl, a polyalkylenyl radical or  $CH_2NR^4R^5$ , where  $R^4$  and  $R^5$  have the meanings stated below, and
- $R^3$  is  $NR^4R^5$ , where  $R^4$  and  $R^5$ , independently of one another, are selected from the group consisting of H,  $C_1$ - to  $C_{20}$ -alkyl,  $C_3$ - to  $C_8$ -cycloalkyl and  $C_1$ - to  $C_{20}$ -alkoxy radicals which may be interrupted and/or substituted by N and O heteroatoms, and phenol radicals of the formula II



where  $R^1$  and  $R^2$  are as defined above;

with the proviso that  $R^4$  and  $R^5$  are not simultaneously H or phenol radicals of the formula II; or  $R^4$  and  $R^5$ , together with the N atom to which they are bonded, form a 5-, 6- or 7-membered cyclic structure which has one or two N and O heteroatoms and may be substituted by one, two or three  $C_1$ - to  $C_6$ -alkyl radicals; and

R<sup>6</sup> is a radical R<sup>4</sup> or R<sup>5</sup> other than H.

12. (Amended) An additive concentrate containing, in addition to conventional additive components, at least one Mannich adduct as claimed in claim 9 in amounts of from 0.1 to 99.9% by weight.

A<sup>2</sup>  
13. (Amended) A fuel composition containing a main amount of a liquid hydrocarbon fuel and an amount, having detergent activity, of at least one adduct as claimed in claim 9.

14. (Amended) A lubricant composition containing a main amount of a liquid, semisolid or solid lubricant and an amount, having detergent activity, of at least one adduct as claimed in claim 9.

Please add the following new claims:

16. (New) An additive concentrate containing, in addition to conventional additive components, at least one Mannich adduct as claimed in claim 10 in amounts of from 0.1 to 99.9% by weight

17. (New) A fuel composition containing a main amount of a liquid hydrocarbon fuel and an amount, having detergent activity, of at least one adduct as claimed in claim 10.

A<sup>3</sup>  
18. (New) A lubricant composition containing a main amount of a liquid, semisolid or solid lubricant and an amount, having detergent activity, of at least one adduct as claimed in claim 10.

19. (New) The process as claimed in claim 1, wherein the adduct mixture obtained includes from 1 to 15 mol% of polyisobutenylphenols from reaction step a) which have not been further reacted.

20. (New) An additive concentrate containing, in addition to conventional additive components, at least one Mannich adduct as claimed in claim 9 in amounts of from 0.5 to 80% by weight.

21. (New) An additive concentrate containing, in addition to conventional additive components, at least one Mannich adduct as claimed in claim 10 in amounts of from 0.5 to 80% by weight.

22. (New) A method for preparing a detergitized fuel or lubricant composition, said process comprising adding the Mannich adduct claimed in claim 9 to a fuel or a lubricant composition.

23. (New) A method for preparing a detergitized fuel or lubricant composition, said process comprising adding the Mannich adduct claimed in claim 10 to a fuel or a lubricant composition.